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## CENTRAL INTELLIGENCE AGENCY

## INFORMATION REPORT

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COUNTRY	East Germany	REPORT	
SUBJECT	Research Projects at VEB Peenewerft Wolgast and VEB Rosslauer Schiffswerft	DATE DISTR.	19 January 1954
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(FOR KEY SEE REVERSE)

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Research and Development at VEB Peenewerft Wolgast

1. The Zentral-Konstruktions-Buero (ZKB) (central design office) of the East German Ministry of Transport and Agricultural Machine Construction (Ministerium fuer Transport und Landmaschinenbau)<sup>1</sup> has approved the plans for research tasks to be completed in 1954 by the Design Office VEB Peenewerft Wolgast. These plans will now be submitted to the State Planning Commission for final approval.
2. Five main research tasks are planned. The total estimated cost is 140,000 eastmarks. They are:
  - a. The designing of a 500 h.p. diesel-driven tug, with an over-all length of 18 meters;
  - b. The evaluation by photogrammetry of ships' photography; ("Photogrammetrische Auswertung von Schiffsaufnahmen. Anzeichnen der Spanten, Wasserlinien, u.s.w., an die Aussenhaut des Schiffes; photographische Aufnahme mit Masstab und Auswertung der Aufnahmen masstabgerecht.")
  - c. The designing of a stability indicator equipment (Stabilitaets-anzeigengerat) to show the metacentric height;<sup>2</sup>

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25 YEAR RE-REVIEW

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- d. The designing of a gauge for the examination of completed propellers (Propelleraufmessgeraet);
  - e. The designing of a bilge valve with remote control, operated by compressed air or water. (ferngesteuertes Lenzventil).
3. The ZKB proposes to allocate one more development task for 1953 to the Peenewerft, namely the designing of a 540 h.p. motor vessel for coastal merchant traffic, with a displacement of 500 tons.

Development of Work on Propellers of Nonmetallic Substances

- 4. The plans for the ceramic propeller recently designed by the Konstruktions Buero of the VEB Peenewerft are at present with the VEB Keramische Werke, Hermsdorf (formerly Hescho-Kahla), where an attempt is being made to produce a prototype of the ceramic part. The diameter of this first proposed propeller was 800 mm. The shipyard is now considering beginning the design of a second and larger type.
- 5. VEB Peenewerft Wolgast is also currently engaged in designing a propeller consisting of a steel skeleton around which the main body of the propeller will be built. It is planned to make the body of the propeller of "Kedu", a new cement mixture recently patented in East Germany.
- 6. Experiments have been conducted at VEB Rosslauer Schiffswerft on the production of coatings, both metallic and nonmetallic (e.g. Igelit) for propellers. As of September 1953, these efforts have been completely unsuccessful.

- 1.   Comment: In November 1953, the Ministry of Transport and Agricultural Machine Construction was merged with the Ministries for General and Heavy Machine Construction to form the new Ministry of Heavy Industry.

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- 2.   Comment:   there is no mathematician at Peenewerft who is competent to attempt this project.

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